

WHAT IS CLAIMED IS:

1. A transceiving filter comprising:
 - a first port;
 - a second port;
 - a first transmission path having an amplifier circuit for amplifying a
5 reception signal and at least one reception filter for allowing a signal in a receive
frequency band to pass;
 - a second transmission path for allowing a transmission signal to pass;
 - a first directional circuit at a first junction of the first transmission path
and the second transmission path, the first directional circuit transmitting the reception
10 signal from the first port toward the second port via the first transmission path; and
 - a second directional circuit at a second junction of the first transmission
path and the second transmission path, the second directional circuit transmitting the
transmission signal from the second port toward the first port via the second
transmission path,
 - 15 wherein the first directional circuit includes at least one first 90° hybrid
circuit for transmitting the reception signal input from the first port to the amplifier
circuit and transmitting the transmission signal from the second transmission path to
the first port, and
 - wherein the second directional circuit includes at least one second 90°
20 hybrid circuit for transmitting the reception signal amplified by the amplifier circuit to
the second port and transmitting the transmission signal input from the second port to
the second transmission path.
2. The transceiving filter according to Claim 1, further comprising an
antenna connected to the first port and a transceiving circuit connected to the second
port.

3. The transceiving filter according to Claim 2, further comprising a first surge-absorbing filter between the first port and the antenna.

4. The transceiving filter according to Claim 3, further comprising a second surge-absorbing filter between the second port and the transceiving circuit.

5. The transceiving filter according to Claim 1, wherein the at least one reception filter is provided in the at least one of the first and second 90° hybrid circuits.

6. The transceiving filter according to Claim 1, wherein at least one of the first and second directional circuits is a double-stage hybrid circuit.

7. The transceiving filter according to Claim 1, wherein both of the first and second directional circuits are double-stage hybrid circuits.

8. The transceiving filter according to Claim 1, wherein at least one of the first and second directional circuits is a triple-stage hybrid circuit.

9. The transceiving filter according to Claim 1, wherein both of the first and second directional circuits are triple-stage hybrid circuits.

10. A communication device comprising:

a transceiving filter comprising:

a first port;

a second port;

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a first transmission path having an amplifier circuit for

amplifying a reception signal and at least one reception filter for allowing a signal in a receive frequency band to pass;

a second transmission path for allowing a transmission signal to pass;

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a first directional circuit at a first junction of the first transmission path and the second transmission path, the first directional circuit

transmitting the reception signal from the first port toward the second port via the first transmission path; and

15 a second directional circuit at a second junction of the first transmission path and the second transmission path, the second directional circuit transmitting the transmission signal from the second port toward the first port via the second transmission path,

20 wherein the first directional circuit includes at least one first 90° hybrid circuit for transmitting the reception signal input from the first port to the amplifier circuit and transmitting the transmission signal from the second transmission path to the first port, and

25 wherein the second directional circuit includes at least one second 90° hybrid circuit for transmitting the reception signal amplified by the amplifier circuit to the second port and transmitting the transmission signal input from the second port to the second transmission path; and

a transceiving antenna connected to the first port of the transceiving filter; and

a transceiving circuit connected to the second port of the transceiving filter.

11. The communication device according to Claim 10, further comprising a first surge-absorbing filter between the first port and the transceiving antenna.

12. The communication device according to Claim 11, further comprising a second surge-absorbing filter between the second port and the transceiving circuit.

13. The communication device according to Claim 10, wherein the at least one reception filter is provided in the at least one of the first and second 90° hybrid circuits.

14. The communication device according to Claim 10, wherein at least one of the first and second directional circuits is a double-stage hybrid circuit.

15. The communication device according to Claim 10, wherein both of the first and second directional circuits are double-stage hybrid circuits.

16. The communication device according to Claim 10, wherein at least one of the first and second directional circuits is a triple-stage hybrid circuit.

17. The communication device according to Claim 10, wherein both of the first and second directional circuits are triple-stage hybrid circuits.